

The background of the slide features a dark blue field filled with various sizes of interlocking gears in lighter shades of blue. On the far left, there is a vertical strip with a colorful, abstract, and textured pattern in shades of orange, yellow, and brown.

Ballona Creek Watershed Management Plan

Ballona Creek Watershed Management Plan

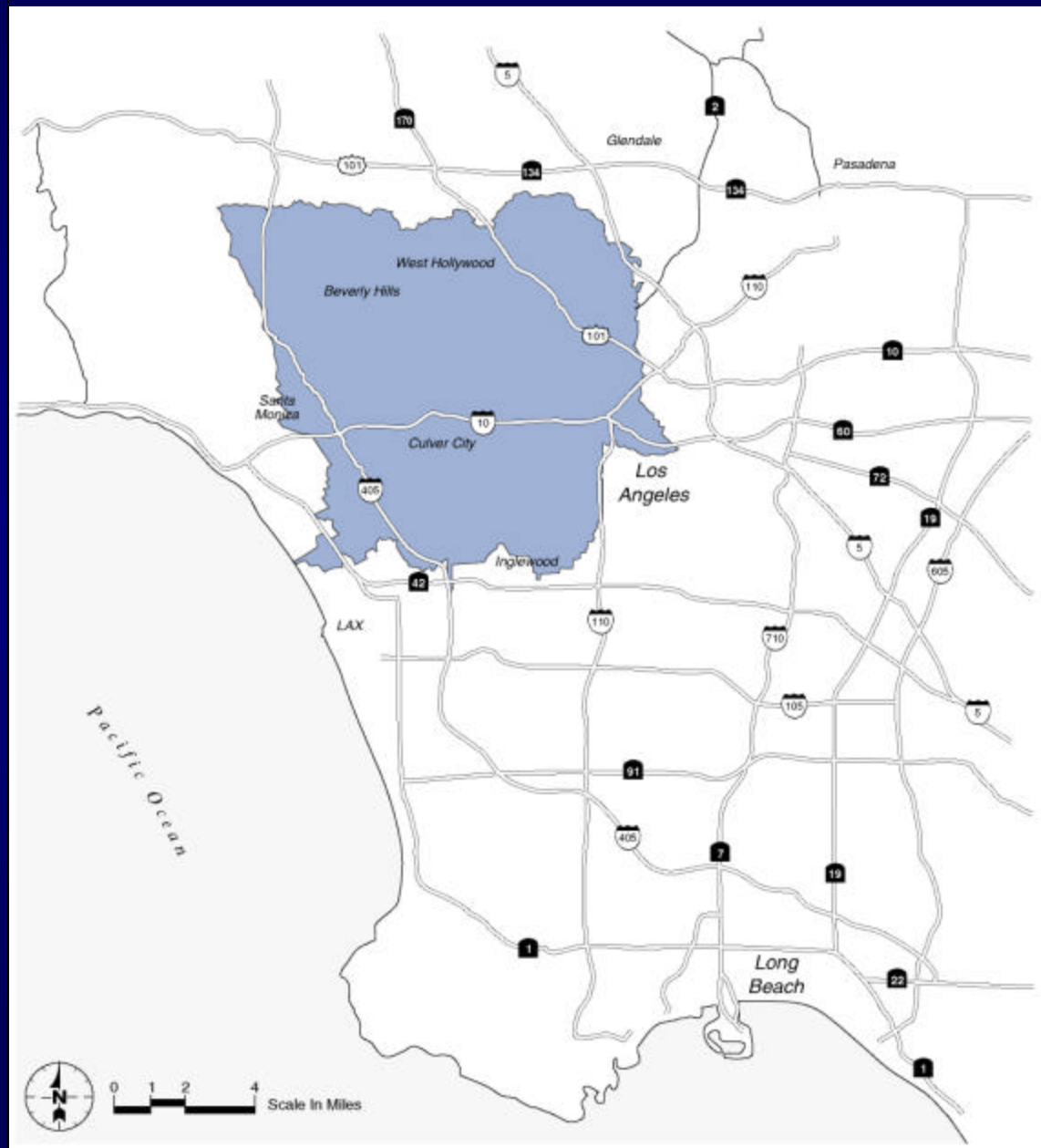
Funding & Support

- ✴ Proposition 13
- ✴ Los Angeles County
- ✴ Ballona Creek Renaissance



Ballona Creek Watershed Management Plan

Location

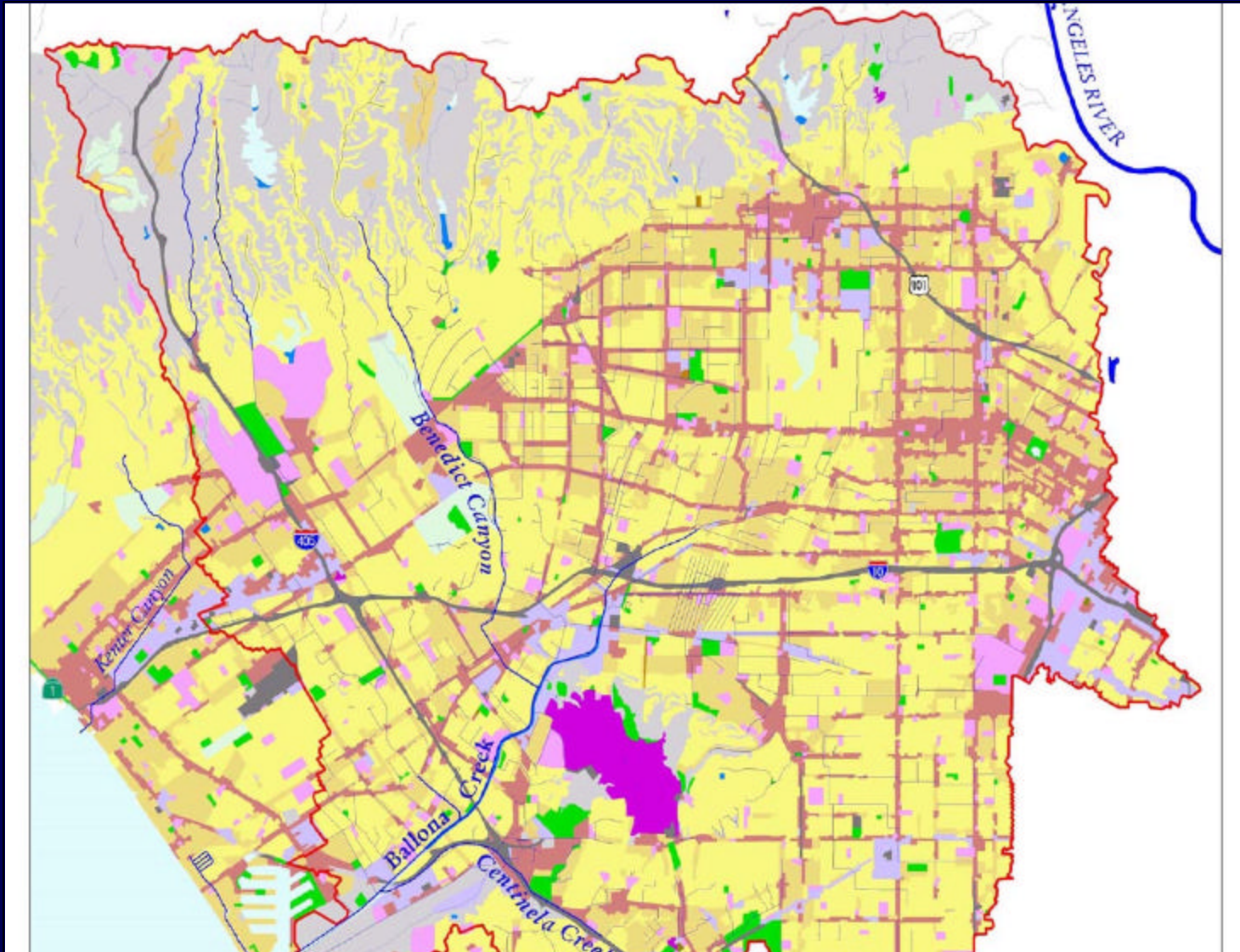


Cities



Ballona Creek Watershed Management Plan

Land Use



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Water Quality

- ☀️ Trash
- ☀️ Pathogens
- ☀️ Metals
- ☀️ Nutrients
- ☀️ Organics



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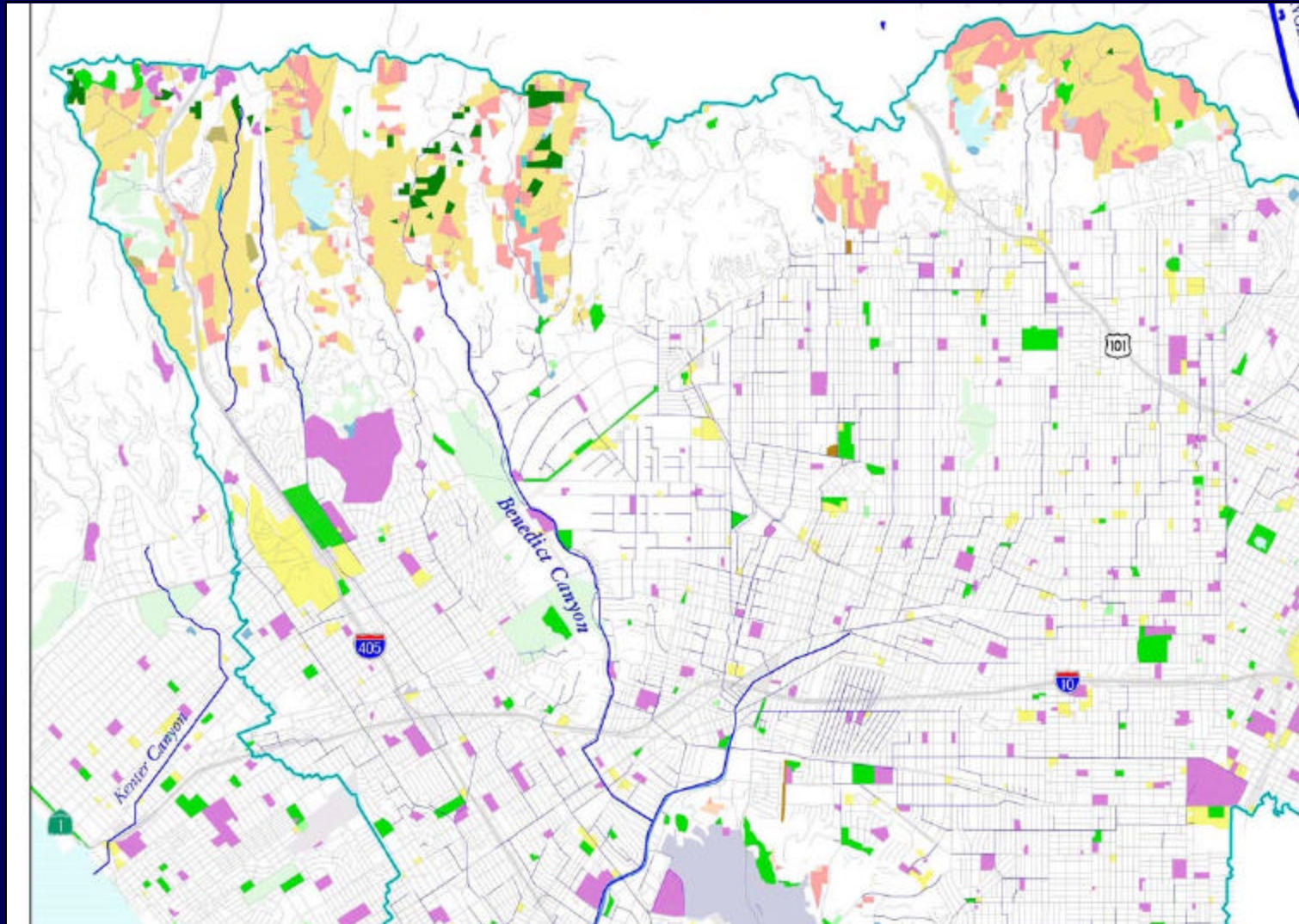
Water Quality

303(d) List

NAME	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	EST. SIZE AFFECTED	PROPOSED TMDL COMPLETION
Ballona Creek	Cadmium (sediment)	Nonpoint/Point Source	High	6.5 miles	2004
	ChemA* (tissue)	Source Unknown	High	6.5 miles	2004
	Chlordane (tissue)	Nonpoint/Point Source	High	6.5 miles	2004
	Copper, Dissolved	Nonpoint Source	High	6.5 miles	2004
	DDT (tissue)	Nonpoint/Point Source	High	6.5 miles	2004
	Dieldrin (tissue)	Nonpoint/Point Source	High	6.5 miles	2004
	Enteric Viruses	Nonpoint/Point Source	High	6.5 miles	2003
	High Coliform Count	Nonpoint/Point Source	High	6.5 miles	2003
	Lead, Dissolved	Nonpoint Source	High	6.5 miles	2004
	PCBs (tissue)	Nonpoint/Point Source	High	6.5 miles	2004
	pH	Urban Runoff/Storm Sewers/Nonpoint Source	Low	6.5 miles	
	Sediment Toxicity	Nonpoint/Point Source	High	6.5 miles	2004
	Selenium, Total	Urban Runoff/Storm Sewers/Nonpoint Source	Low	6.5 miles	
	Silver (sediment)	Nonpoint Source	Low	6.5 miles	
	Toxicity	Nonpoint/Point Source	High	6.5 miles	2004
	Zinc, Dissolved	Urban Runoff/Storm Sewers/Nonpoint Source	Low	6.5 miles	

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Habitat



Plan Context

- ✴ NPDES Permits
- ✴ TMDLs
- ✴ Santa Monica Bay Restoration Plan
- ✴ LA City Integrated Resources Plan
- ✴ So Cal Wetlands Restoration Strategy
- ✴ Lower Ballona Reconnaissance Study

Ballona Creek Watershed Management Plan

Stakeholders

- ✴ Agencies: federal, state & local
- ✴ Los Angeles County
- ✴ Cities
- ✴ Environmental Groups
- ✴ Homeowner Groups
- ✴ Individuals

Ballona Creek Watershed Management Plan

Plan Contents

- ✱ Background
(and Context)
- ✱ Existing Physical
& Environmental
Conditions
- ✱ Goals & Objectives



Ballona Creek Watershed Management Plan

Plan Contents

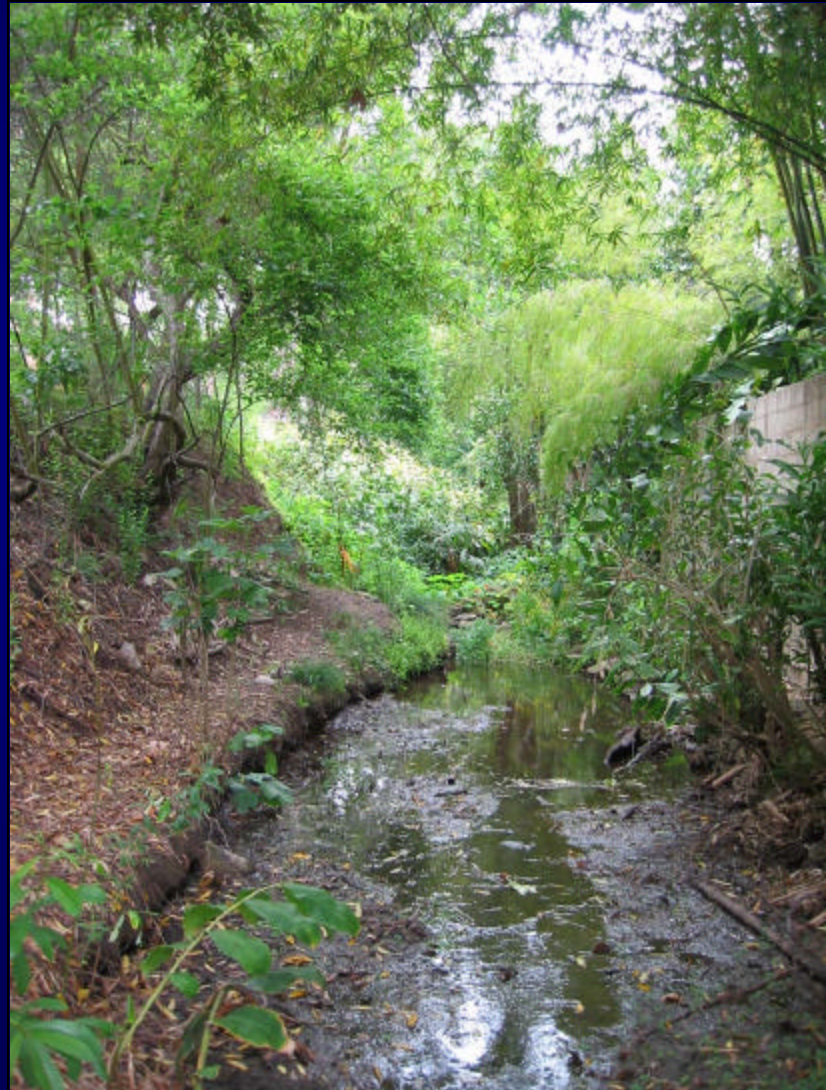
- ☀ Methods &
Mechanisms
- ☀ Community-Based
Monitoring
- ☀ Stakeholder
Commitment
& Funding



Ballona Creek Watershed Management Plan

Plan Goals

- ☀ Water
- ☀ Land
- ☀ Planning



Ballona Creek Watershed Management Plan

Plan Goals

☀ Water



- ☀ Improve Water Quality
- ☀ Maintain Flood Protection
- ☀ Restore Hydrologic Funding
- ☀ Optimize Water Resources
- ☀ Improve Aquatic Habitat

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Plan Goals

☀ Land



- ☀ Improve Terrestrial Habitat
- ☀ Improve Access to Open Space
- ☀ Pedestrian/Bicycle Access & Safety
- ☀ Landscape Stewardship

Ballona Creek Watershed Management Plan

Plan Goals

☀ Planning

- ☀ Coordinate Across Jurisdictions
- ☀ Multi-Objective Planning
- ☀ Science as a Basis for Planning
- ☀ Ongoing Management Process
- ☀ Sustainable Economic Development

Ballona Creek Watershed Management Plan

Best Management Practices

- ☀ Storage
- ☀ Infiltration
- ☀ Conveyance
- ☀ Filtration
- ☀ Practices
- ☀ Outreach



Ballona Creek Watershed Management Plan

Project Inventory

- ☀ Lower Ballona Creek
- ☀ Water Quality
- ☀ Habitat & Native Vegetation



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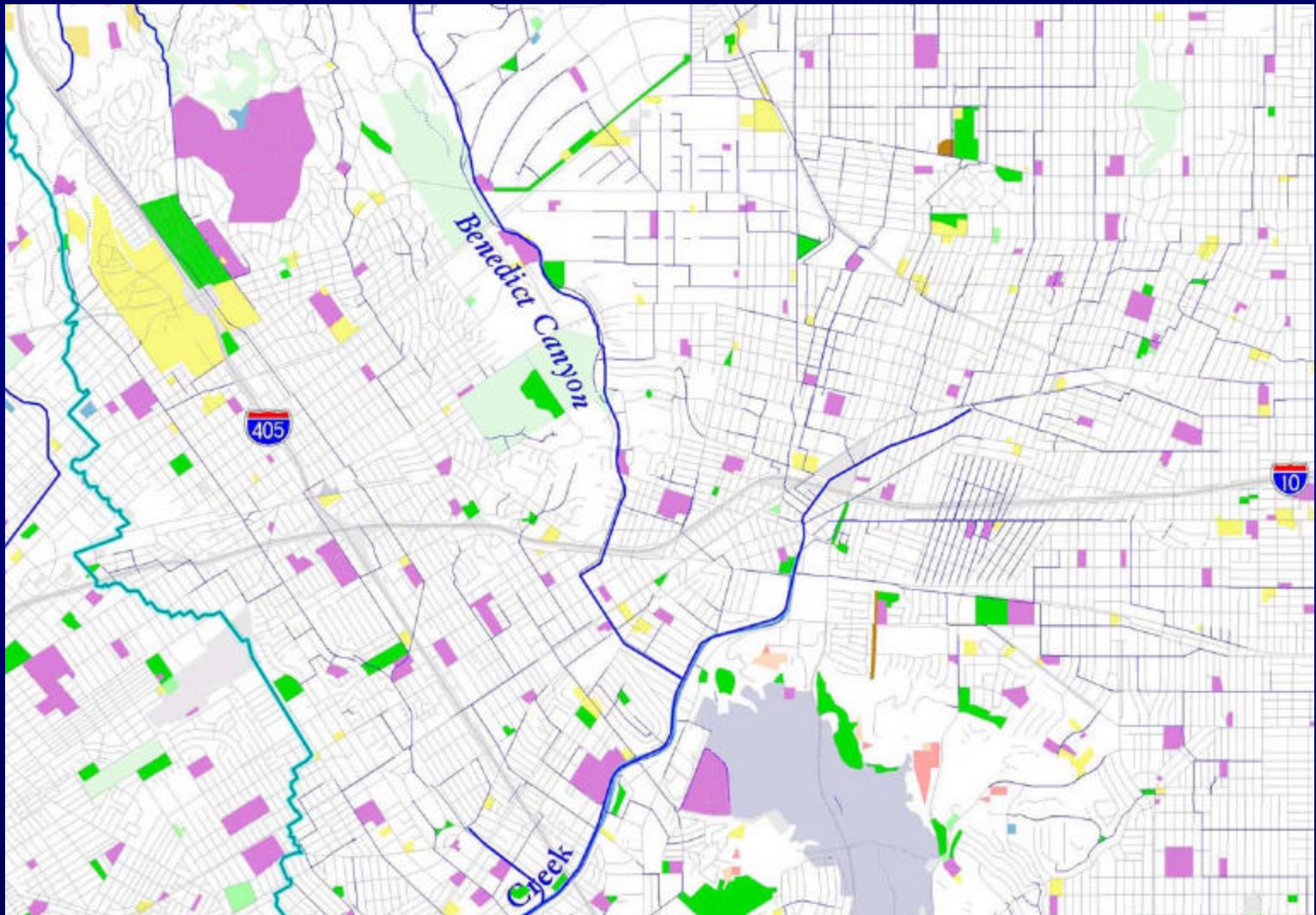
Project Inventory

- ☀ Transportation & Trails
- ☀ Site Retrofit
- ☀ Urban Stream Restoration



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Project Opportunities



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Projects

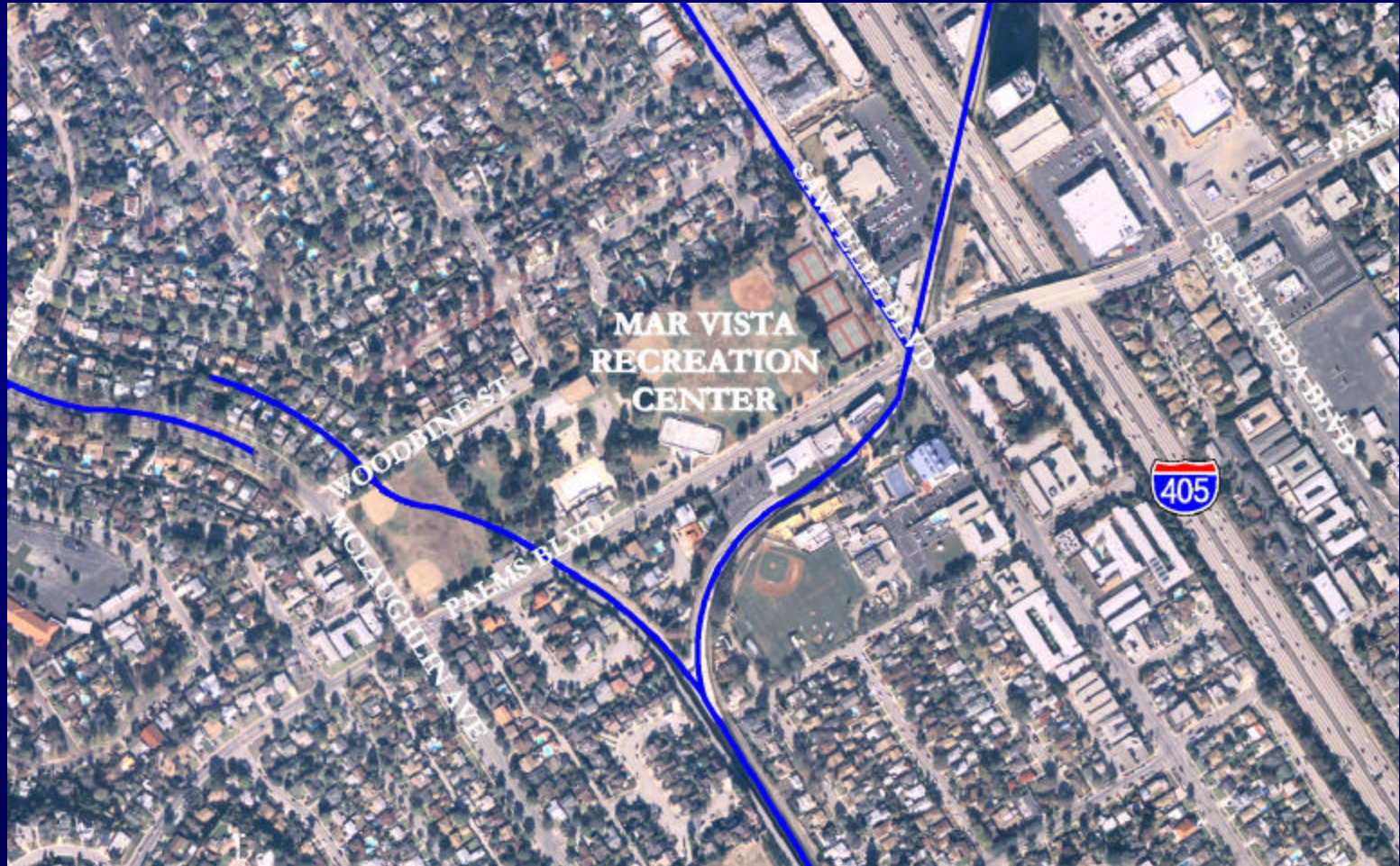
- ☀ Park Retrofit
- ☀ School Retrofit
- ☀ Trail
- ☀ Flood Control Basin
- ☀ Street Retrofit



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Park Retrofit

☀ Mar Vista Recreation Center



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Park Retrofit

☀ Mar Vista Recreation Center



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School Retrofit

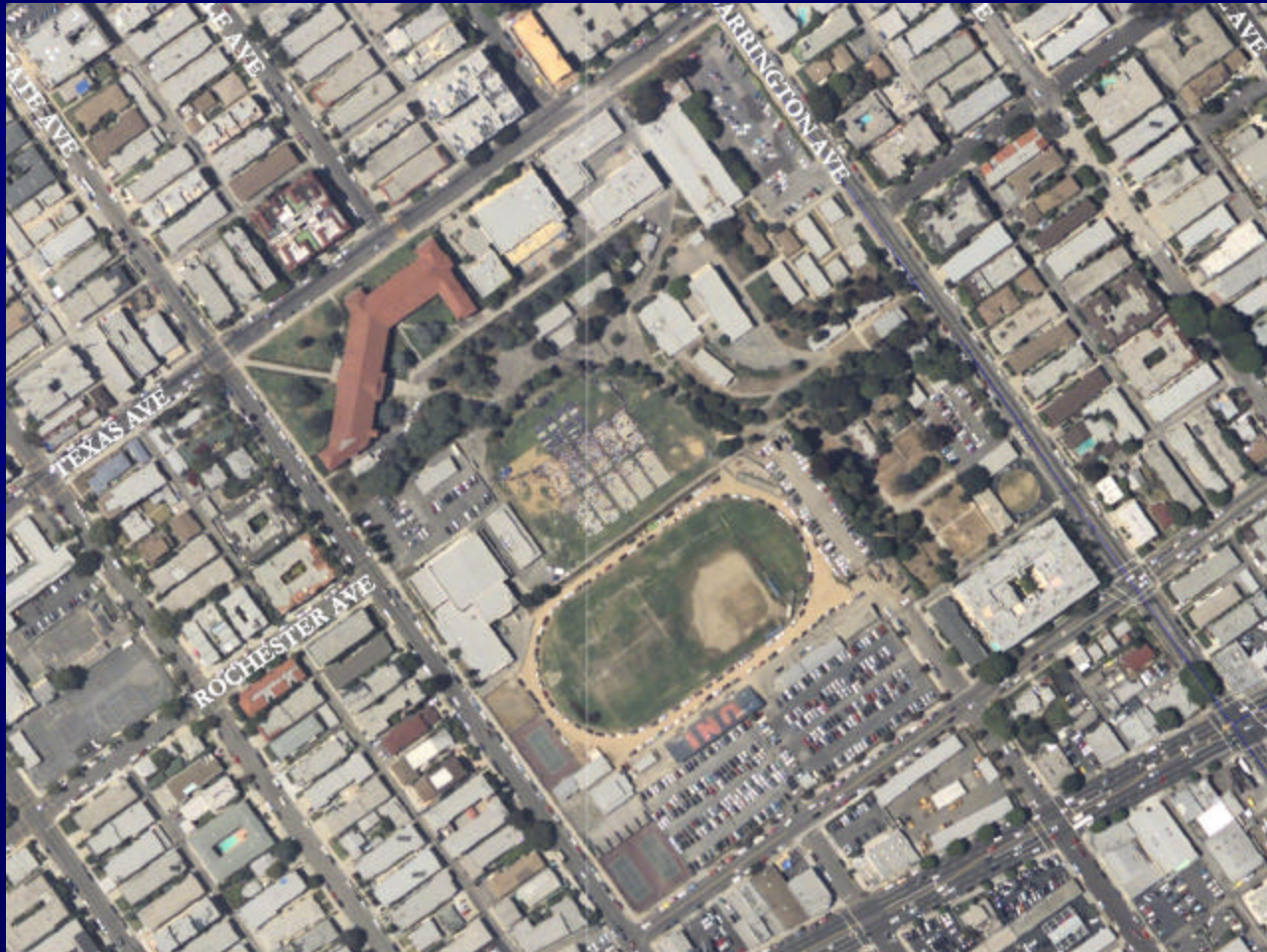
☀ Culver City High, Middle & Elementary



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School Retrofit

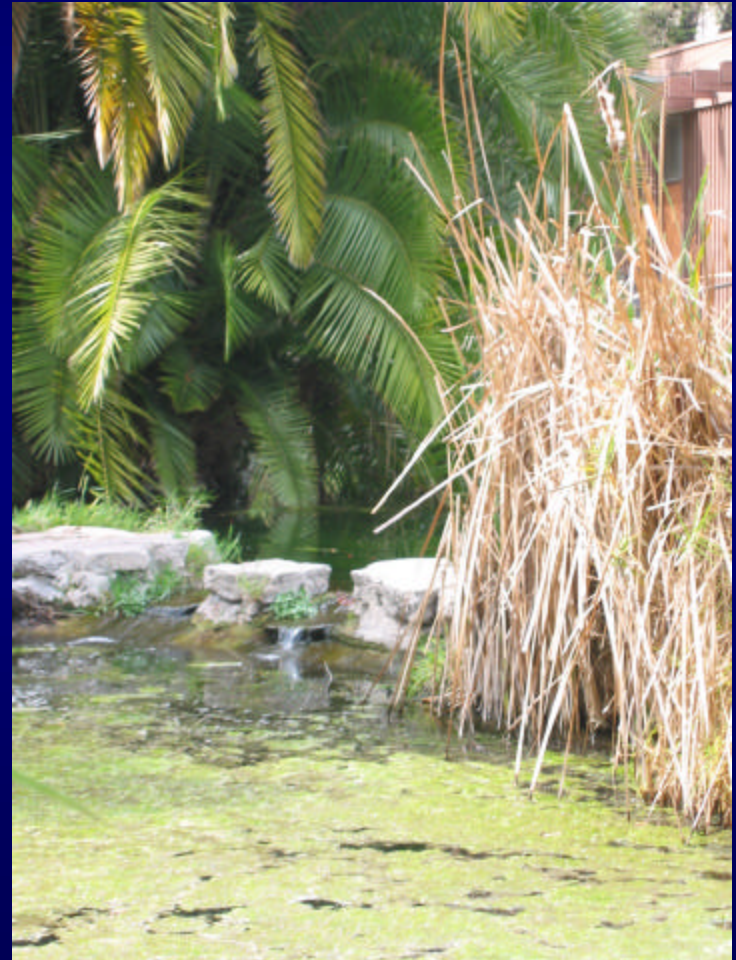
☀ University High School



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School Retrofit

☀ Kuruvungna Springs



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School Retrofit

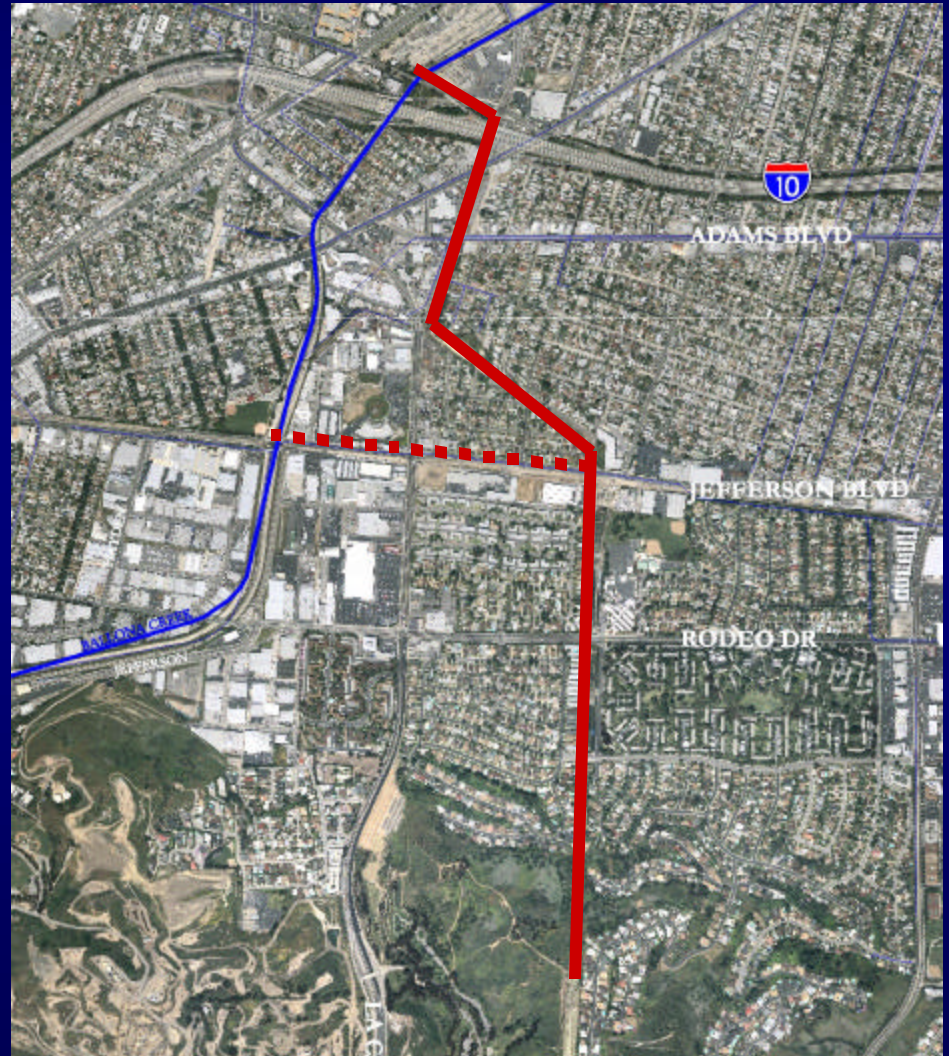
☀ University High / Kuruvungna Springs



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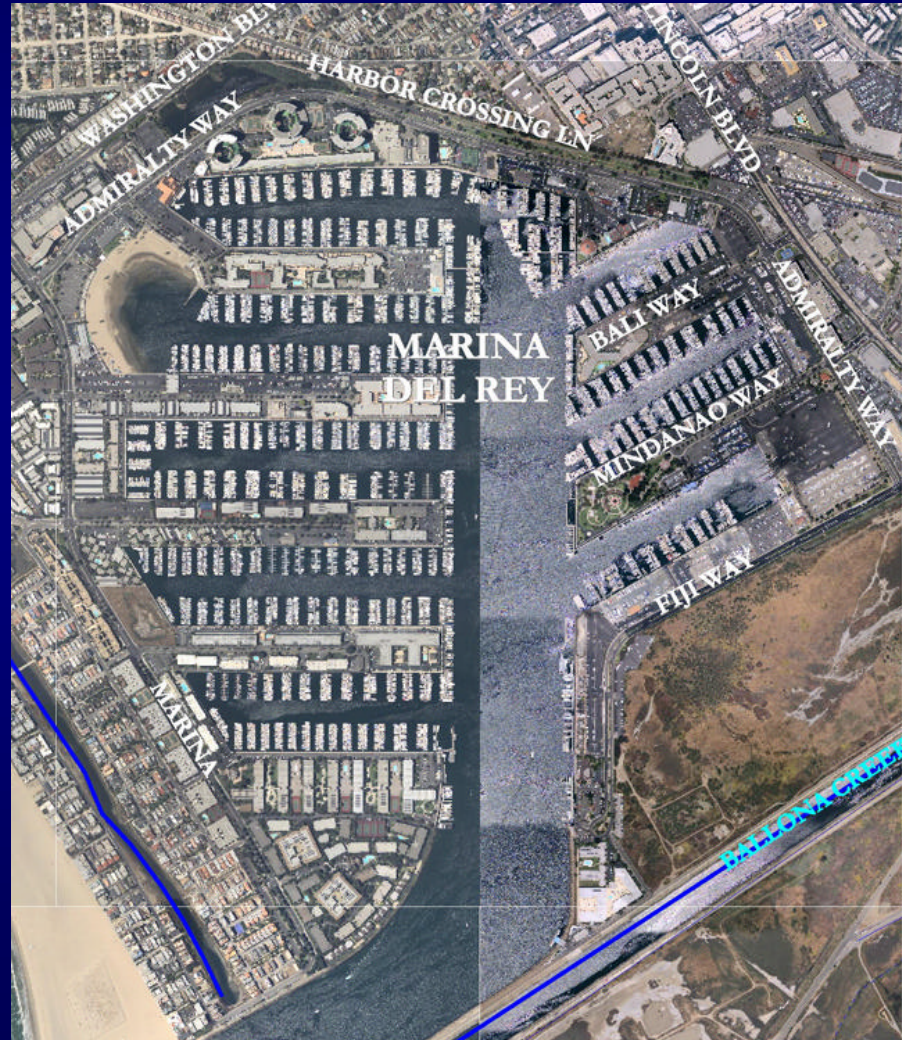
Trail

- ☀ Baldwin Hills to Ballona Creek



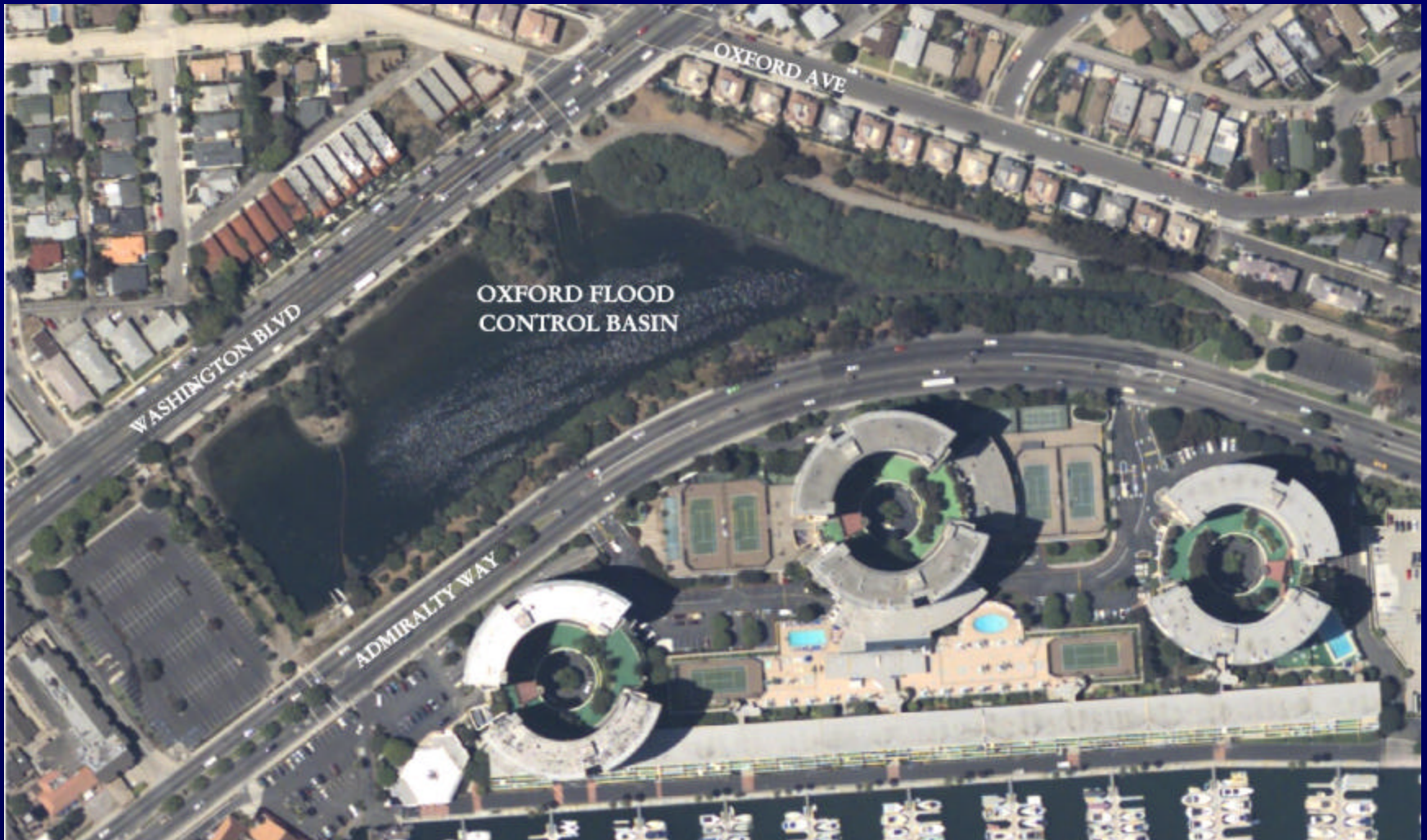
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Oxford Flood Control Basin



Ballona Creek Watershed Management Plan

Oxford Flood Control Basin



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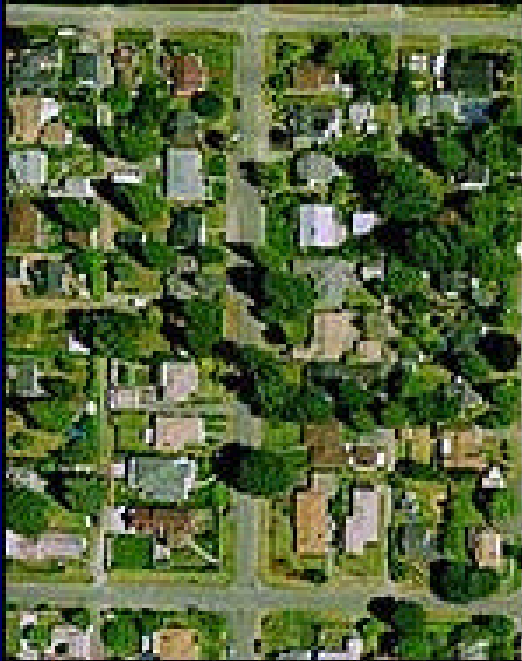
Oxford Flood Control Basin



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Street Retrofit

☀ Seattle Street Edge Alternative (SEA)



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Street Retrofit

☀ Seattle SEA



Ballona Creek Watershed Management Plan

Relationship to TMDLs

- ☀ 303(d) list – impairments to address
- ☀ Projects
 - address impairments
- ☀ Monitoring
 - full range of impairments



Ballona Creek Watershed Management Plan

What Worked?

- ☀ Build upon Existing Efforts
- ☀ Understand Plan Context
- ☀ Utilize GIS



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What Didn't Work?

- ☀ No Additional Outreach
- ☀ Not all Cities Involved
- ☀ Bold Project Ideas – tough sell



Ballona Creek Watershed Management Plan

Contacts

☀ Los Angeles County Public Works Watershed Management Division

- ☀ Draft Plan: February '04

- ☀ Final Plan: May '04

- ☀ ladpw.org/watershed/bc

☀ Ballona Creek Renaissance

- ☀ www.ballonacreek.org

- ☀ mhorne@eipassociates.com



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